

David Henry

Nat. AFV Sales Manager

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“Ford Motor Company is dedicated to providing ingenious environmental solutions that will position us as a leader in the automotive industry of the 21st century. Our actions will demonstrate that we care about preserving the environment for future generations.”



**William Clay
Ford, Jr.**

Chairman of the Board and
Chief Executive Officer

“Dave, What are doing
standing around here?
Go out there and sell
some Ford AFV’s!”

**William Clay
Ford, Jr.**

Chairman of the Board and
Chief Executive Officer



Ford's Commitment

- Ford Designed, Engineered, and Built
- All Ford AFV's are physically crash tested and FMVSS certified
- Full 3/36 Factory Warranty
- Optional 5/75 AFV Extended Service Plans
- Contributed over \$2.5M to Infrastructure development
- Invested over \$4M in Strategic Partnerships with Fuel Providers to promote awareness and develop infrastructure
- Invested over \$1M to support and promote "CLEAN LANE" Programs
- Invested over \$5M to support designated "Focus Cities"
- Committed \$6.5M to refurbish and resurrect Red Busses in Glacier National Park with new clean propane powered chassis

Ford's Commitment

- Over the past 5 Years
 - 35,000 CNG Ford AFV's
 - 16,000 LPG Ford AFV's
 - 1.7M E85 Ford AFV's

**FORD IS COMMITTED TO
GROWING THE AFV BUSINESS!!!**



2003 Alternative Fuel Vehicles

Natural Gas

F-150 Bi-Fuel Pickup



Highlights for 2003

- All new sequential multiport fuel control system that provides improved performance, reliability and durability
- ULEV certified to meet current government mandates
- Ford has produced more bi-fuel CNG pickups than any other OEM
- A variety of body styles and GVW
- 4x2 and 4x4 powertrains
- Great for landscape trade and construction

F-150 Bi-Fuel Pickup

- **5.4L V8 bi-fuel engine with 4-speed electronic transmission**
- **Single in-bed CNG tank with up to 289 km(180 miles) range**
- **Over 965 km (600 miles) with CNG and gasoline combined**
- **4-wheel anti-lock braking system (ABS)**
- **Power rack-and-pinion steering**
- **Vinyl front bench seat with 60/40 split**
- **Dual Second Generation air bags with passenger-side deactivation switch**

F-150 Dedicated Pickup

"Cleanest Emissions Full-Size Pickup on
the Planet"



Highlights for 2003

- SULEV certified to meet, and exceed current government mandates
- Best selling dedicated CNG pickup 5 years running
- Based on North America's best selling pickup for 25 years running
- CNG tanks providing up to 402 km (250 miles) range

F-150 Dedicated Pickup

- **5.4L V8 bi-fuel engine with 4-speed electronic transmission**
- **Dual in-bed and single underbody mid-ship**
- **CNG tanks providing up to 402 km (250 miles) range**
- **4-wheel anti-lock braking system (ABS)**
- **7700# payload group with 3.73 axle included**
- **Vinyl front bench seat with 60/40 split**

E-Series Dedicated Van and Wagon



Highlights for 2003

- Variety: 5 models to choose from to suit your cargo or people-carrying needs
- First OEM CNG vehicle to be SULEV certified
- Great for airport/hotel shuttles, deliveries, maintenance vans

E-Series Dedicated Van and Wagon

- **5.4L V8 CNG engine**
- **New standard power windows**
- **New front grille**
- **New full length vinyl floor covering on commercial vans**
- **New cloth headliner for improved fit and finish**
- **New low fuel warning lamp in I/P cluster**
- **Side intrusion beams**
- **Dual Second Generation front air bags**

E-Series (450) Cutaway



Highlights for 2003

- New school bus option available with 158" or 176" (4013 mm to 4470 mm) wheelbases
- Versatility: Can be ordered for shuttle, school bus or cube van applications
- ULEV certified – Best-in-Class emissions
- GVWR up to 6373 kgs (14,050 lbs)
- Great for airport/hotel/daily rental shuttles, delivery vans, school bus routes.
- Handicap access packages available

E-Series (450) Cutaway)

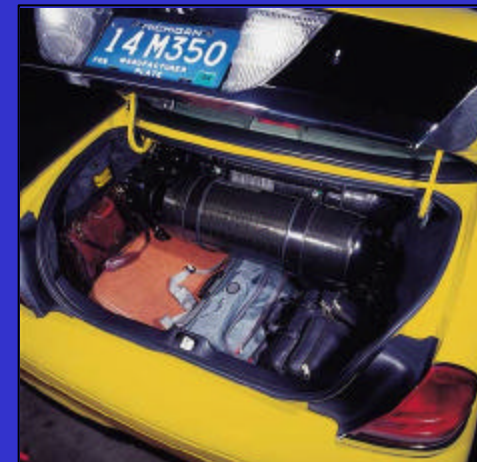
- 5.4L V8 CNG engine
- Electronic 4-speed automatic transmission
- Three optional tank packages (3,4, and 5 tanks)
- that provide up to 450 km (280 miles) range.
- Tail lamps (available on all cutaway models)
- Power 4-wheel anti-lock braking system (ABS)
- Side intrusion beams
- Dual second generation air bags

Crown Victoria Sedan



Highlights for 2003

- Extended length now available with NGV option
- New front suspension design with new rack and pinion steering gear, and an innovative new frame that provides improved ride and outstanding handling.
- 5-star government front crash test rating for both driver and front passenger
- ULEV2/Bin3 emissions certified to meet mandates
- Ideal for taxi, police, daily rental, airport limousine



Crown Victoria Sedan

- 4.6L SEFI V8 engine
- Electronically controlled 4-speed automatic
- transmission with overdrive
- Personal Safety System
- Fail safe cooling system
- New anti-lock braking system (ABS) standard
- on all Series
- New side air bags on Commercial HD series
- New dual media radio AM/FM cassette

Propane

F-150 Bi-Fuel Pickup



Highlights for 2003

- ULEV certified to meet current government mandates
- Ford has produced more bi-fuel Propane pickups than any other OEM
- A variety of body styles and GVW
- 4x2 or 4x4 drivetrains
- Great for landscape trade and construction

F-150 Bi-Fuel Pickup

- **5.4L V8 bi-fuel engine with 4-speed**
- **electronic transmission**
- **Single in-bed Propane tank with up to**
- **643 km (400 miles) range**
- **Over 1287 km (800 miles) with LPG and**
- **gasoline combined**
- **4-wheel anti-lock braking system (ABS)**
- **Power rack-and-pinion steering**
- **Vinyl front bench seat with 60/40 split**
- **Dual Second Generation air bags with**
- **passenger side deactivation switch**

Ethanol



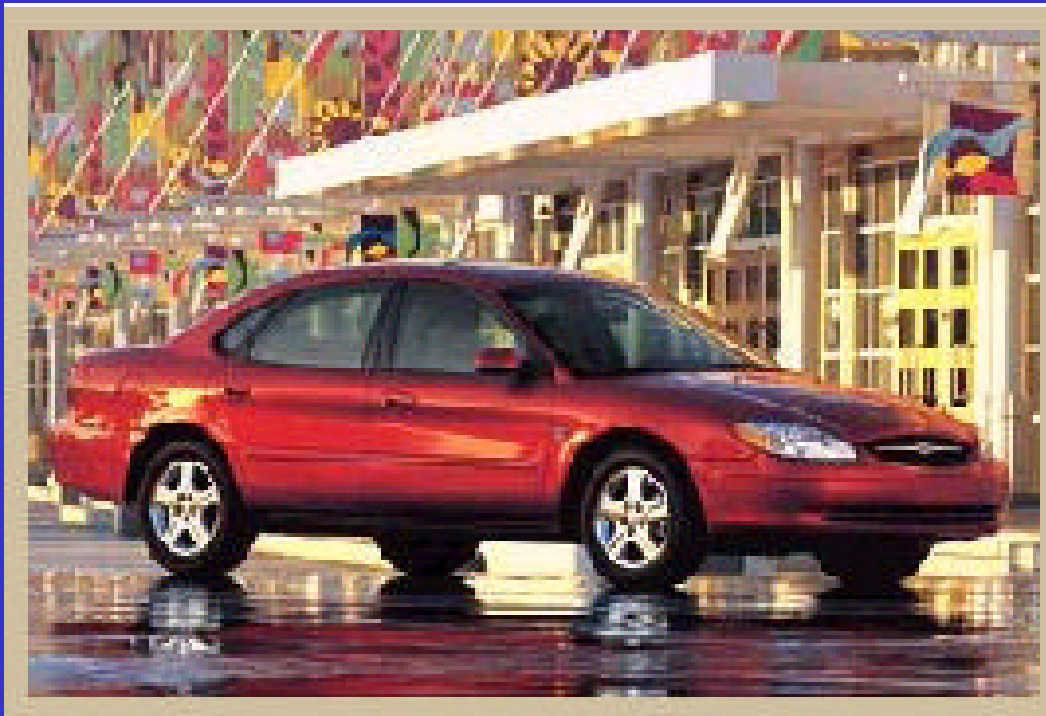
Explorer

All new for the 4-door Explorer is the available Flexible Fuel System, which is standard on 4.0L SOHC V6 engines (with automatic transmission.)

Ranger

For the 2003 MY, a Flexible Fuel (E85) alternative will continue to be offered on the 3.0L 4x2 SuperCab with automatic transmission (XL, XLT and Edge).





Taurus

The Taurus FFV continues with the following configurations: Sedan (LX, SE, and SES) and Wagon (SE).

TH!NK



TH!NK Neighbor

- ZEV certified
Meets new U.S./Canadian federal standards for low speed vehicles
- Seats 2 or 4
- 4 wheel independent suspension
- Top Speed: 25 mph/Range: 30 miles
- Charges 110 AC in 6-hours

TH!NK City

- ZEV certified
(zero emission vehicle)
- Front-wheel Drive
- 2-Passenger
- Top Speed: 56 mph
- Range: 53 miles



Coming Soon!

Ford Escape Hybrid Electric Vehicle (HEV)



- Nearly 40 MPG (City driving)
- 500 Mile Range on single tank
- SULEV II Emissions
 - PZEV targeted for CA, MA, NY
- V6 like performance in an I4 engine

Coming in 2003!

“The first high-volume, mainstream alternative to the traditional powertrain in nearly 100 years.”

Bill Ford, Ford Motor Company

***The ultimate emission free vehicle ✍ Hydrogen powered
Focus Fuel Cell Vehicle (FCV).***



- Zero Emission Vehicle (ZEV)
- Hybridized Technology
- Transparent driving experience
- Major issues:
 - Technology Cost
 - Hydrogen Infrastructure

Focus Fuel Cell vehicles available in 2004



2003 Alternative Fuel Vehicles